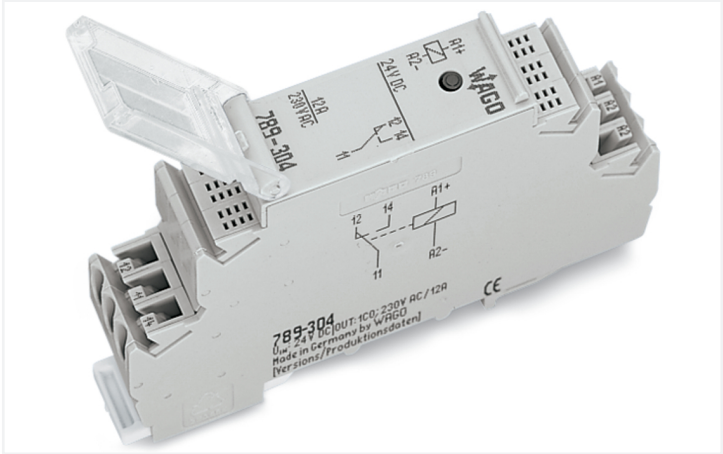


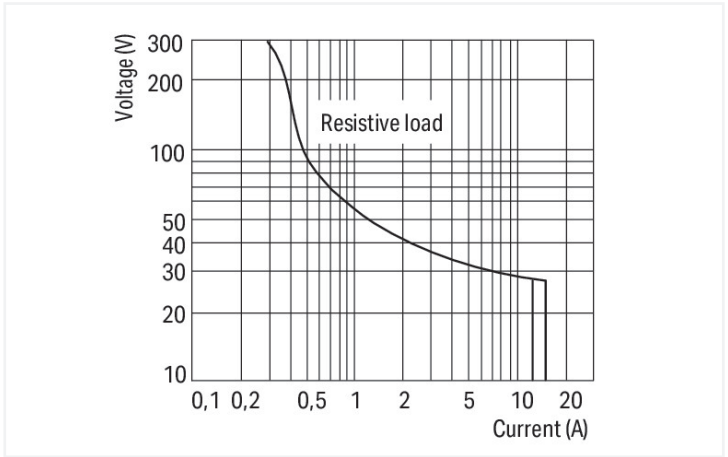
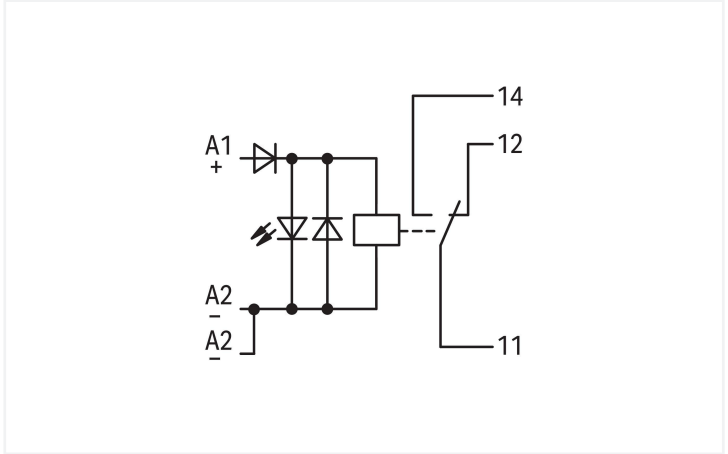
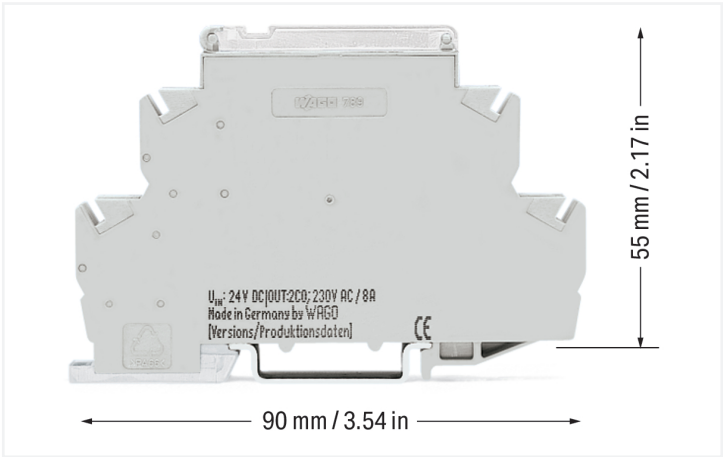
Data Sheet | Item Number: 789-304

Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 12 A; Red status indicator; Module width: 18 mm; 2,50 mm²; gray

<https://www.wago.com/789-304>



Color: ■ gray



DC load limit curve

Short description:

WAGO's switching relays (789 Series) serve a wide variety of applications, from basic lighting control – homes, hotels and commercial structures – to comprehensive industrial control cabinets. Just 17.5 mm (0.689 inch) wide, the compact DIN-rail-mount enclosure is ideal for distribution boards and meter cabinets.

Notes	
Note	To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.

Technical data			
Control circuit		Load circuit	
Nominal input voltage $U_N$	24 VDC	Number of changeover/switchover contacts	1
Input voltage range	-15 ... +10 %	Contact material (relay)	AgNi 90/10
Nominal input current at $U_N$	19 mA	Limiting continuous current	12 A
		Inrush current (resistive) max.	(AC) 30 A / 4 s
		Switching Voltage, Max.	250 VAC
		Switching power (resistive) max.	AC 3000 VA; DC (see load limit curve)
		Recommended minimum load	12 V / 10 mA
		Pull-in time (typ.)	8 ms
		Drop-out time (typ.)	6 ms



Load circuit	
Bounce time (typ.)	6 ms
Mechanical life	3 x 10 <sup>6</sup> switching operations

Signaling	
Status indicator	Red LED

Safety and protection	
Rated Voltage	250 V
Rated impulse withstand voltage	4 kV
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	5 kVrms
Dielectric strength (open contact) (AC, 1 min)	1 kVrms
Protection type	IP20

Connection data	
Connection technology	CAGE CLAMP®
Solid conductor	0.2 ... 2.5 mm² / 24 ... 14 AWG
Fine-stranded conductor	0.2 ... 2.5 mm² / 24 ... 14 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches

Physical data	
Width	17.5 mm / 0.689 inches
Height	90 mm / 3.543 inches
Depth from upper-edge of DIN-rail	55 mm / 2.165 inches

Mechanical data	
Housing design	DIN-rail-mount enclosure
Mounting type	DIN-35 rail

Material data	
Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	gray
Fire load	0.764 MJ
Weight	50.5 g

Environmental requirements	
Ambient temperature (operation at U <sub>N</sub> )	-25 ... +40 °C
Ambient temperature (storage)	-40 ... +85 °C
Processing temperature	-25 ... +50 °C

Standards and specifications	
Standards/specifications	EN 60664-1



Commercial data		
Product Group	6 (INTERFACE ELECTRONIC)	
PU (SPU)	10 (1) pcs	
Packaging type	Box	
Country of origin	DE	
GTIN	4045454313005	
Customs tariff number	85364900990	

Product Classification		
UNSPSC	39122334	
eCl@ss 10.0	27-14-23-09	
eCl@ss 9.0	27-14-23-09	
ETIM 9.0	EC001437	
ETIM 8.0	EC001437	
ECCN	NO US CLASSIFICATION	

Environmental Product Compliance		
CAS-No.	7439-92-1 79-94-7	
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Lead	
RoHS Compliance Status	Compliant,With Exemption	
RoHS Exemption	7(a)	
SCIP notification number (Bulgaria)	81fd0708-5f68-4ccb-83ad-a014ea747d03	
SCIP notification number (Czech Republic)	5c638e88-ba32-4c27-839c-eb644c0e6410	

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03084

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product  
Compliance 789-304

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Documentation				
Bid Text				Instruction Leaflet
789-304	19.02.2019	xml 4.10 KB		Operation and Assembly Instructions Interface V 1.0.0 02.04.2025 pdf 1246.19 KB
789-304	20.02.2019	docx 16.42 KB		

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 789-304	EPLAN Data Portal 789-304
	WSCAD Universe 789-304
	ZUKEN Portal 789-304

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

<b>Item No.: 216-241</b> Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	<b>Item No.: 216-242</b> Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	<b>Item No.: 216-243</b> Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	<b>Item No.: 216-244</b> Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

1.1.2 Jumper

1.1.2.1 Jumper

<b>Item No.: 789-112</b> Jumper; 12-way; silver-colored

1.1.3 Marking

1.1.3.1 Marker

<b>Item No.: 2009-145</b> Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	<b>Item No.: 248-502</b> Mini-WSB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white	<b>Item No.: 248-566</b> Mini-WSB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white	<b>Item No.: 248-503</b> Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white
<b>Item No.: 248-504</b> Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white	<b>Item No.: 248-506</b> Mini-WSB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white	<b>Item No.: 248-452</b> Mini-WSB marking card; as card; MARKED; K (100x); not stretchable; Horizontal marking; snap-on type; white	<b>Item No.: 248-450</b> Mini-WSB marking card; as card; MARKED; K1 - K10 (10x); not stretchable; Horizontal marking; snap-on type; white



1.1.3.1 Marker



**Item No.: 248-451**  
Mini-WSB marking card; as card; MARKED; K11 - K20 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 248-455**  
Mini-WSB marking card; as card; MARKED; U 100 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 248-453**  
Mini-WSB marking card; as card; MARKED; U1, ... U10 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 248-454**  
Mini-WSB marking card; as card; MARKED; U11 - U20 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 248-501**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

1.1.3.2 Marking device



**Item No.: 210-110**  
Fiber-tip pen

1.1.4 Tool

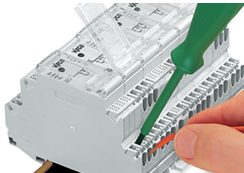
1.1.4.1 Operating tool



**Item No.: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

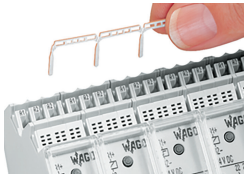
Installation Notes

Conductor termination



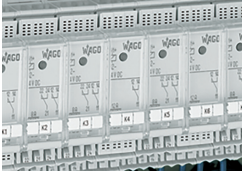
Inserting a conductor.

Commoning



Easy commoning via adjacent jumpers.

## Marking



Marking via Mini-WSB Quick Marking System.